GBP2 Monoclonal antibody, PBS Only

Catalog Number:68559-1-PBS

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Basic Information

Catalog Number:
68559-1-PBS

Size:
100ug , Concentration: 1 mg/ml by Nanodrop;

Source:
Mouse

Isotype:
IgG1

Immunogen Catalog Number:
AG24108

GenBank Accession Number:
BC022272

GeneID (NCBI):
2634

UNIPROT ID:
P32456

Full Name:
guanylate binding protein 2, interferon-inducible

Calculated MW:
591 aa, 67 kDa

Observed MW:
67 kDa

Purification Method:
Protein G purification

CloneNo.:
2D7G4

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
Human

Background Information

GBP2 is a member of the GTPase family and is crucial to host immunity against pathogens. GBP2 is also used as a marker of interferon (IFN) responsiveness, because it is one of the most highly expressed genes after IFN-γ stimulation. Increased GBP2 expression is also associated with a better prognosis in breast cancer and may have a role in T-cell defense against breast cancer. Interestingly, GBP2 expression in NIH/3T3 fibroblasts inhibited Rac activation and matrix metalloproteinase-9 expression, suggesting a possible role for GBP2 in regulating cancer metastasis. The molecular weight of GBP2 is 67 kDa. (PMID: 29072687, 35383115)

Storage

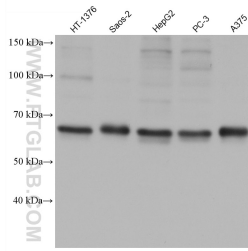**Storage:**
Store at -80°C.
Storage Buffer:
PBS Only

Selected Validation Data

Various lysates were subjected to SDS PAGE followed by western blot with 68559-1-Ig (GBP2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 68559-1-PBS in a different storage buffer formulation.